

LISTING OF CLAIMS

What is claimed :

- 1 (Original) A wireless device comprising:
a first portion;
a second portion;
a third portion, the third portion coupled to the first portion and to the second portion; and
a substrate, the substrate comprising at least one void, wherein the first portion, the second portion, and the third portion define a capacitively coupled antenna, and wherein the antenna is coupled to the substrate.
2. (Original) The wireless device of claim 1, wherein the antenna is configured to operate at a frequency selected from a group consisting of a GPS, a Bluetooth, a WiFi, and a cellular phone frequency.
3. (Original) A dipole antenna comprising:
a first portion;
a second portion, the first and second portion defining a capacitive area;
a third portion, the third portion coupled to the first portion and to the second portion, the third portion defining an inductive area; and
a substrate, the substrate defined by a periphery and a void within the periphery, wherein the first portion, the second portion, and the third portion define a capacitively coupled dipole antenna, and wherein the capacitively coupled dipole antenna is coupled to the substrate such that the capacitative area spans the void.
4. (Original) The antenna of claim 3, wherein the third portion comprises a length having a first end and a second end, and wherein the length is longer than a straight line distance between the first end and the second end.
5. (Original) The antenna of claim 3, wherein one or more portion of the third portion is disposed relative to the first portion and the second portion in a non-parallel relationship.

6. (Original) The antenna of claim 3, wherein one or more portion of the third portion is disposed relative to the first portion and the second portion in a parallel relationship.

7. (Original) The antenna of claim 3, wherein the antenna comprises a high dissipation factor substrate, and wherein at least the first and second portion are coupled to the high dissipation factor substrate.

8. (Original) The antenna of claim 7, wherein the substrate comprises a FR4 substrate.

9. (Original) A system, comprising:
a capacitively coupled dipole antenna, the antenna including a capacitative area;
and
a substrate, the substrate comprising a first void, wherein the antenna is coupled to the substrate, and wherein the capacitative area generally spans the void.

10. (Original) The system of claim 9, wherein the substrate comprises a high dissipation factor substrate.

11. (Original) The system of claim 9, wherein the substrate comprises a FR4 substrate.

12. (Original) The system of claim 9, wherein the system comprises a plurality of circuits.

13. (Original) The system of claim 9, wherein the antenna is configured to operate at a frequency selected from the group consisting of: a GPS, a Bluetooth, a WiFi, a cellular phone frequency

14. (Original) The system of claim 12, wherein the substrate comprises a second void, wherein at least one of the plurality of circuits is disposed within the second void.

15. (Original) The system of claim 14, wherein the system comprises a wrist type apparatus.

16. (Original) The system of claim 9, wherein the system is selected from a group consisting of: a medallion, a button, a belt buckle, a wrist, a phone, a PDA apparatus.

17. (Original) The system of claim 9, wherein the system comprises a wrist type apparatus.
18. (Original) A capacitively coupled dipole antenna, comprising:
capacitance means for creating a capacitance; and
inductive means for creating an inductance.
19. (Original) The antenna of claim 18, wherein the antenna further comprises a substrate.
20. (Original) The antenna of claim 19, wherein the substrate is defined by a periphery, wherein within the periphery the substrate defines a void, and wherein the capacitance generally spans the void.
21. (Original) A method for creating resonance in a resonant circuit, comprising the steps of:
providing a first portion;
providing a second portion;
disposing the first and second portion to create a capacitive area; and
coupling the third portion to the first portion and to the second portion to create an inductive area.
22. (Original) The method of claim 21, further comprising the step of:
providing a substrate, wherein the substrate is defined by a periphery, wherein within the periphery the substrate defines a void, and wherein the capacitive area generally spans the void.
23. (Original) A system, comprising:
a plurality of antennas, wherein at least two of the antennas each includes a capacitative area; and
a substrate, the substrate comprising a plurality of voids, wherein the capacitative area of the at least two antennas generally spans respective ones of the plurality of voids.
24. (Original) The system of claim 23, wherein the system comprises a wrist type of apparatus.

25. (Original) The system of claim 23, wherein the at least two of the antennas comprise capacitively coupled dipole antennas.